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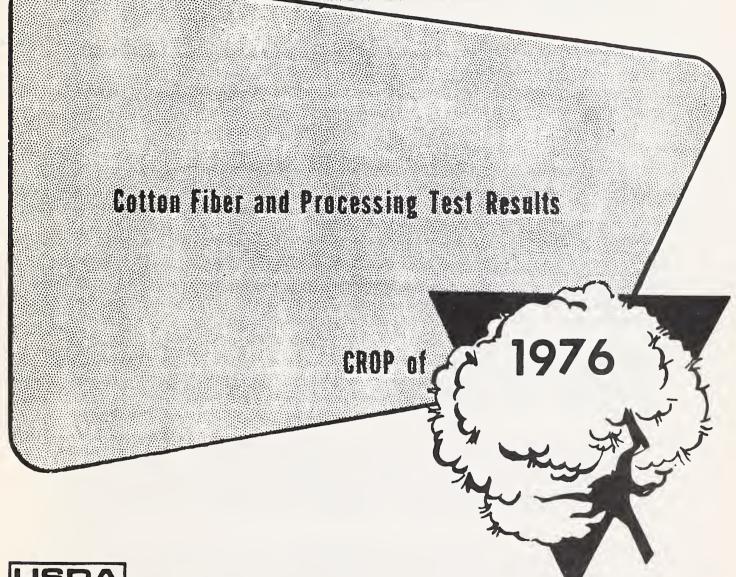
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U.S. J. AGRIGULTURE





Agricultural Marketing Service
U.S. DEPARTMENT OF AGRICULTURE
Memphis, Tenn. 38122 November 19, 1976

These reports are published bi-weekly during the harvesting season and will be summarized in a comprehensive report at the end of the crop year. A detailed description of the tests shown in this report may be found in the summary report for the previous season. These reports are available on request from the Standardization Section, Cotton Division, Agricultural Marketing Service, U. S. Department of Agriculture, 4841 Summer Avenue, Memphis, TN 38122.

COTTON FIBER AND PROCESSING TEST RESULTS, CROP OF 1976

Discussion of Test Results

The average Fibrograph 2.5% span length of short staple cottons tested from the Southwest through November 12 this season is shorter than a year ago, according to the Cotton Division, Agricultural Marketing Service, USDA. Cottons are slightly less uniform and weaker at both zero and 1/8" gage strength tests. Both Shirley Analyzer nonlint content and picker and card waste are higher than a year earlier. Yarns spun from these samples show considerably weaker yarn strength and lower appearance grades. The average spinning potential yarn number is lower.

The U.S. average fiber length of medium staple samples is slightly shorter than a year ago. Zero gage fiber strength is slightly stronger. Shirley Analyzer nonlint content is lower than last season, while picker and card waste is higher. Yarns spun from these samples show stronger yarn strength with fewer imperfections. The average spinning potential yarn number is slightly lower.

Southeastern area medium staple samples are coarser than a year ago. Fiber strength is stronger. Shirley Analyzer nonlint content is lower than a year ago. Picker and card waste, however, is higher than last season. Yarns spun from these samples are stronger and show higher appearance grades. Imperfections are fewer. The spinning potential is higher than last season.

Medium staple samples tested from the South Central area show fibers to be shorter, finer and stronger than a year ago. The nonlint content is lower, while the picker and card waste percentage is higher. Yarns spun from these samples are stronger. Yarn imperfections are fewer. The average spinning potential yarn number is lower.

Southwestern area medium staple samples tested to date show slightly shorter and finer cottons. Shirley Analyzer nonlint content and picker and card waste are both higher than a year earlier. Yarns spun from these samples show about the same yarn characteristics except for having fewer imperfections than a year ago.

Medium staple samples tested from the West have slightly longer, less uniform and weaker fibers than a year ago. Both Shirley Analyzer nonlint content and picker and card waste are higher this year. Yarns spun from these samples are stronger but appearance grades are slightly lower. Imperfections are fewer than a year ago. The average spinning potential is lower.

Long staple samples from the Southeastern area tested to date, show fibers to be longer, more uniform, coarser and considerably stronger. Shirley Analyzer nonlint content and picker and card waste are both lower than a year ago. Both carded and combed yarns spun from these samples are stronger than a year earlier. Combed appearance grades are higher than a year earlier with fewer yarn imperfections. The average spinning potential is much higher than last season.

- 4 -

Averages of fiber and processing tests from selected gin points in the United States through November 12, 1976

Table 1.--Cotton:

CICTO O COLO			Fiber	er test	re [- 1			Processing		test results	10
Area, and Crop year	Lots	Fibrograph 2.5% 50/	graph 50/2.5	fine-	Fiber	st l	S A	P & C	Yarn Skein Ap	quali pear-	y mperf-	Spin. Potent.
Short Staple:	No.	Inches	Pet.	Rdg.	Mpsi	g/tex	Ret:	1	Lbs. 22s	Index	No. Yarn	
Southwest 1975 1976	174	1.00	t††	†•† †•†	88 48	23	a w o w	7.3	103	118	13	
Medium Staple: Southeast 1975 1976	7.7.	1.08	44	# # # # # # # # # # # # # # # # # # #	78 78	22 7d	4.3	0.0 0.10	98	96	27	
South Central 1975 1976	529	1.10	42	4.4	88 82	23	w a	4.0	101,	101	19	
Southwest 1975 1976	25	1.08	45	44.	81	8 8	0 a	4.0	103	999	22	
West 1975 1976	15	1.12	74 74 74	4.5	468	25	a a a r	7 5	127	88 88	24 21	
U.S. Average 1975 1976	112	1.10	445	4.4	85	23 23		5.9	106	86.89	22	
Significant dif- ference 2/		0.02	2	0.2	8	٦	0.5	0.5	4(22s)	5 (S	

Minimum differences considered to be significant for comparisons in this table. Based on a limited number of samples of modal quality

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Averages of fiber and processing tests from selected gin points in the United States through November 12, 1976 1/ (Continued)

Table 1. -- Cotton:

	SPY	No.	56	64 55	m
		No.	1 . 8	∞ 0	α
	Imprfctns card comb	ç	21 21	18	a
esults	Appearance rded combed	Lbs. Indx Indx Combed Yarn	115	1 22 100	7
Test	Yarn Quality Appearand carded com	Indx d & Co	110	110	2
Processing Test Results	Yar th ombed c	Lbs. Carde	118 140	126	4(22s) 2(50s)
Proc	Strength Appearance Imprfctns carded combed carded comb	Lbs. I	93	107	4 (22s) 4
	Comber Waste	Pct.	18.8 15.8	17.8 22.0	0.5
	P&C Waste	Pct.	6.3	9.5	0.5
	SA Non- lint	Pct.	რ ო	3.3	0.5
S	gth 1/8" gage	G/tx	22	23	٦
Fiber Test Results	Strength Zero 1/8" gage gage	Mpsi	88	93	N
est R	Mike	Rdg.	t. 1	4.1	0.2
ber 1	th Unif Mil	Pct.	1,2 1,6 1,6	43 41	α
E	Length Span U	In.	1.10	1.12	0.02
	Lots	No.	94	7 7	
	Staple group, Area, and Crop year		Long Staple: Southeast 1975 1976	South Central 1975 1976	Significant Difference $2/$

Based on a limited number of samples of modal quality Minimum differences considered to be significant for comparisons in this table. باي

Table 2 --Cotton, American upland short staple: Quality characteristics by production areas, crop of 1976

	Spin. Poten-	tial		<u>8</u>		40	37	34
	Imprfect'ns Spin.	Waste 8s or 22s or 22s or 8s or 22sor 8s or 22sor	c 27 tx	읾		14	14	15
Yarns	Impri	88 01	74 ts	<u></u>		20	11	21
Carded	Appearance Index	22sor	27 tx	읾		100	110	110 21
ults -	Appearan Index	8s or	74 tx	욁		130	130	130
Processing Test Results - Carded Yarns	ation	22s or	74 tx 27 tx 74 tx 27 tx 74 tx 27 tx 74 tx 27 tx	Pct Pct		6.1	5.5	5.1
ssing T	Elongation	8s or	74 tx	Pct		ENT 7.5	ENT 6.8	ENT 5.9
Proce	gth	22s or	27 tx	Tps		PERCI 91	100 PERCENT 73 86 6.8	PERCI 86
	Strength	8s or	74 tx	Tps		100 PERCENT 272 91 7.5	100 273	100 PERCENT 273 86 5.9
	Color Raw Stock P & C	Waste		Pet		8.1	8.2	8.2
	Color aw Stock	Cra Vel	1	잂		4	4	4
			3	<u></u>		9	3	6
	Elon- S.A.	lint		Pet		4.1	3.9	4.2
lts	Elon-	1/8"	`	Pet		611	57 5.9	LX571 5.7
Fiber Test Results	Fiber rength	1/8"	Gage	G/tex		LANKART 611 21 6.7	LANKART 57 19 5.ºº	LANKART LX571 21 5.7 4.2
Fiber	Fiber Strength	Zero	Gage	Mpsi		80	82	85
	Mike			Rdg		3.9	4.5	6.4
	tal graph	Imif		Pet		43	43	45
	Digital Fibrograph	2.5%	span	되		16.0	0.95	52½30 0.96
		- (75	ardia	32s	AREA	31	30	30
Area,	ber		de		A	45	45	52 <u>1</u>
Production Area, Classification	& Sample Number	Grade	No Name & Code		SOUTHWEST	CENTRAL TEXAS BRANDON 2 SLM LT SP 42 31 0.97	ITALY 2 SLM LT SP 42 30 0.95	ITASCA 2 LM LT SP
1		1 2	4		SO	CE 2	2	7

1/ Reduced from 42 because of grass

Table 3 --Cotton, American upland medium staple: Quality characteristics by production areas, crop of 1976

1	1 .		1														
		Poten- tial	N _O			52	40	53	58	51	62	62		62 61	53	56	54
	Imprfect'ns	50s or				17	22	17	54	13	17	10		22 17	13	10	16
arns	Impri	22s or	임			34	28	21	28	16	21	10		25	16	13	19
Carded Yarns	ance	50s or	No No			70	70	80	80	80	80	90		70	70	90	70
1	Appearance Index	22s or	္က		٤	06	06	110	100	100	100	100		06	06	110	06
Processing Test Results	Elongation	50s or	Pet			4.5	3.8	4.4	4.4	4.5	4.3	4.4		7.4	4.2	4.5	4.3
ssing T	Elong	r 22s or 27 tx	띪			PERCENT 33 6.5	PERCENT 24 5.8	PERCENT 33 5.6	PERCENT 35 5.7	PERCENT 32 6.1	PERCENT 38 5.5	PERCENT 38 5.9		PERCENT 39 6.3 39 6.5	PERCENT 33 5.8	PERCENT 36 5.7 34 6.1	PERCENT 35 5.8
Proce	Strength	50s or	sq:) PER(36 36 34) PER(
	Stre	22s or 27 tx	Tps			103	100	104	107	102	95	100		100 120 117	100	100 112 106	100
	P & C	Waste	Pct			9.9	7.5	5.8	5 . 8	0.9	5.8	6.9		6.8	7.9	5.3	5.2
	Color Raw Stock	Yel	위			3	4	m	æ	9	3	8		2 2	2	e 2	2
	C Raw	Gra	외			-	2	2	2		2	= w		1	-		7
	S.A.	Non- Lint	Pet		,	3.6	3	2.3	2.9	2.9	2.5	5.0		3.3	3 4.0	3 1.6 2.7	3 2.8
	Elon-	gat.n 1/8"	Pct			E 213	LE 213	E 16	1 6.9	16	5.9	NG 111 6.5		E 16 7.6 7.8	21	LE 21 6.7 6.6	LE 213 6.4
Results			×	er Lys		TONEVILLE 22 7.7	ONEVILLE 2 7.	LTAPINE	20	LTAPINE	41	¥		LTAPINE 5 7.	ONEVILLE 4 6.	ONEVILLE	STONEVILLE 23 6.
Test R	Fiber St re ngth	1/8" Gage	G/tex			22	STON 22	DELT 23	COKER 24	DELT 22	COKER 25	DIXIE 24		DELT 25 25	STON 24	STON 24 23	STON 23
Fiber	Str	Zero Gage	Mpsi			82	83	87	83	79	- 06	87		87 91	87	88	93
		Mike	Rdg		* 2	4.7	4.7	5.0	6.4	4.8	4.7	2.4		4 4	4.0	4.9	4.2
	al graph	Unif.	Pct		4.	45	45	44	7,	45	47	94		44	43	4 4 5 2	45
	Digital Fibrograph	2.5% span	띰			1.05	1.04	1.08	1.09	1.11	1.13	1.03		1.14	1.09	1.08	1.12
		Stple	32s	AREA		33	33	34	34	34	35	35	AREA	35	35	34	35
Area,	ber	Je		A		41	41	41	41	41	41	51	Ā	41	41	31	41
Production Area, Classification	& Sample Number	No Grade Name & Code		SOUTHEAST		BELLE MINA 1 SLM	HAZEL GREEN 1 SLM	MONTGOMERY 1 SLM	MOUNDVILLE 1 SLM	NORTHPORT 1 SLM	PRATTVILLE 1 SLM	GEORGIA BOSTWICK 1 LM	SOUTH CENTRAL	ARKANSAS ALTHEIMER 1 SLM 2 SLM	DRIVER 2 SLM	DUMAS 1 MID 2 SLM	HUGHES 2 SLM

Table 3Cotton, American upland medium staple: Quality characteristics by production areas, crop of 1976(Continued) Production Area, Classification Minital Fiber Test Results Color Color Continued Production Area, Riber Test Results Color Continued Production Area, Riber Test Results Color Continued Processing Test Results - Carded Yarns Classification Appearance Color Continued			
Quality characteristics by production areas, crop of 1976(Continued) ber Test Results Fiber Color Color Appearance		ırns	11 0
Quality characteristics by production areas, crop o		lts - Carded Ya	Appearance
Quality characteristics by production areas, crop of the contract of the contr	5(Continued)	sing Test Resu	
Table 3Cotton, American upland medium staple: Quality characteristics by production areas Production Area, Classification & Fiber Test Results Classification & Color	, crop of 1976	Proces	C+woneth
Table 3Cotton, American upland medium staple: Quality characteristics by production Production Area, Classification & Tiber Test Results Classification & Color	areas		
Table 3Cotton, American upland medium staple: Quality characteristics by Production Area, Classification Riber Test Results Classification Riber	production		Color
Table 3Cotton, American upland medium staple: Quality characterist Production Area, Classification & Fiber Test Results	ics by		
Table 3Cotton, American upland medium staple: Quality chara Production Area, Classification & Fiber Test Result	cterist	ø	
Table 3Cotton, American upland medium staple: Production Area, Classification &	Quality chara	er Test Result	Fiber
Table 3Cotton, American upland medium s Production Area, Classification &	taple:	Fibe	_
Table 3Cotton, American upland me Production Area, Classification &	edium s		-
Table 3Cotton, American Production Area, Classification &	upland me		רפונהות
	Table 3Cotton, Americar	Production Area, Classification	න

							- 8 -							
	Spin. Poten- tial	<u>8</u>	;	55	51 50	45	94	56	58	89	50	57	50	55
	Imprfect'ns	N N	9	11	16	26	15	11	10	60	12	12	7	œ
arns	Imprfect'r	No Car		15	21	53	11	21	15	12	13	16	9	12
Carded Yarns	a X	N SI	;	08	70 80	9	10	80	80	80	90	80	90 20	70
		No		100	100	02	90	100	100	100	110	100	110	100
lest Res		Pet CX		6. 4.	& & & &	3.9	4.0	4.7	- 4	5.0	4.2	4.2	3.7	3.7
Processing Test Results	agth 50s or 2	Lbs Pet	PERCE	37 6.7 PERCENT 34 5.7	PERCENT 30 5.4 30 5.8	PERCENT 29 5.3	PERCENT 30 5.9	PERCENT 37 6.5	PERCENT 38 5.9	PERCENT 41 6.8	PERCENT 35 6.1	PERCENT 32 6.1	PERCENT 30 5.7 32 5.7	PERCENT 32 5.4
	1818	SQT PS	1001	116 100 107	100 103 98	100 91	101	100 115	113	120	100	76 101	100 99 103	100
	P & C Waste]st		7.0	7.6	7.4	9.9	5.9	5.4	5.7	6.1	5.5	4.7	7.3
	Color Raw Stock Gra Yel	21		n 5	m m	m	m	m	m	2	m	ю	m N	~
	Co Raw Gra	纟		0 -	1 2	-	-	-	-	-	-	2	2 1	-
	S.A. Non- Lint	Pet		1.6	2.5	N.3	2.8	2.8	2.2	3.1	1.1	2.6	1.7	3.3
lts	Elon- gat'n 1/8"	Pct	NE 16	8.3 LLE 213 6.9	LLE 213 6.4 6.5	LLE 731N 5.4 3.	LLE 213 6.7	TAPINE 16 8.0	NE 16 7.3	APINE 16 8.0	FAPINE 61 8.0	LLE 213	TAPINE 16 7.5 6.4	21
est Results	Fiber rength to 1/8"	G/tex	DEL TAP INE	23 8.3 STONEVILLE 24 6.0	STONEVILLE 23 6.0 23 6.0	STONEVILLE 21 5.4	STONEVILLE 22 6.	DELTAPI 25	DELTAPINE 24 7.	DELTAPI 24	DELTAPI 24	STONEVILLE 22 7.	DELTAPI 23 24	STONEVILLE 24 5.
Fiber Test	Fiber Strength Zero 1/	Mpsi		68 88	87 87	68	87	16	9 68	1 18	85	83	88	92
	Mike	Rdg		4°4	4 4 6 8	3.7	4.4	4.0	4.5	4.5	5.3	4.5	4.6	6.4
	Digital Fibrograph 2.5% Unif.	Pet		43 43	7 4 7 9	45	43	44	4	45	84	45	45	46
-		Inued)		1.10	1.08 1.08	1.05	1.06	1.06	1.09	1.14	1.08	1.09	1.09	1.10
	Stple	32s Cont		34	34 35	34	34	34	34	35	35	34	34	34
rea,	l er	EA(nued	31 341	41	41	41	41	41		31	41	41	41
Production Area, Classification	Sample Number Grade	SOUTH CENTRAL AREA(Continued)	ARKANSAS(Continued KFISFR	4V I L L E	÷.	OSCEOLA 1 SLM	TOR			LAKE PROVIDENCE SLM 41	AROE 10	OPELOUSAS SLM	SHREVEPORT SLM SLM	SICILY ISLAND SLM 4:
	S	SOUTH	ARKANSAS	2 MID LEACH	MCGEN 1 SLM 2 SLM	080	PROC1	WYNN 1 SLM	LOUISIANA EPPS 1 SLM	LAK 1 SL	MONROE 1 MID	OPEL 1 SLM	SHREN 1 SLM 2 SLM	SICII 2 SLM

Table 3 --Cotton, American upland medium staple: Quality characteristics by production areas, crop of 1976--(Continued)

Carded Yarns	Imprfectins	0s or 22s or 50s or t 2 tx 27 tx 12 tx	외	70 12 9 51	90 13 9 45	90 7 8 56	80 13 9 64	80 15 14 49	84 6 8 06	80 10 9 49	80 18 12 52	70 23 20 58	90 12 10 72	80 14 10 42	09 8 6 06	:
	Appearance Index	22s or 27 tx	္ကု	100	110	110	100	100	100	100	100	06	100	110	120	-
est Resu	Elongation	50s or	Rt Lt	3.7	3.9	4.7	5.0	3.6	4.0	4.0	4.2	4.9	5.3	3.5	4 8	6
Processing Test Results	Strength Elong	22s or 50s or 22s or 27 tx 12 tx	bs Lbs Pc	100 PERCENT 104 32 5.7	100 PERCENT 96 31 5.3	90 PERCENT 106 34 6.4	100 PERCENT 122 41 6.8	100 PERCENT 104 32 5.3	100 PERCENT 100 32 5.2	100 PERCENT 101 31 5.4	85 PERCENT 102 32 5.7	100 PERCENT 114 37 6.7	100 PERCENT 122 42 6.9	100 PERCENT 92 27 5.3	100 PERCENT 113 36 6.4	100 PERCENT 92 26 4.8
	8 C	Wast	Pct	6.2	6.7	5.7	5.1	6.5	6.3	7.0	9.9	7.2	5.6	6.9	4.9	9
	Color Raw Stock	Yel	읾	2	æ	2	2	7	3	3	2	7	7	2	2	9
			위	7	7	1.	0	9	7	2	-	-	1	2	-	2
Pest Results	<u> </u>	1/8" gat'n Non- Gage 1/8" Lint	4	DELTAPINE 55 23 6.3 2.1	DELTAPINE 16 24 6.1 2.9	DELTAPINE 16 22 8.2 1.9	DELTAPINE 16 26 8.0 2.2	DIXIE KING 111 23 5.2 4.6	STONEVILLE 213 23 6.3 3.2	STONEVILLE 213 24 6.4 3.2	STONEVILLE 213 21 7.0 3.1	DELTAPINE 16 24 7.6 2.8	DELTAPINE 61 24 8.4 2.5	STONEVILLE 213 22 6.0 3.1	STONEVILLE 213 25 7.9 3.9	STONEVILLE 256 22 5.2 2.8
Fiber Test	Stre	Zero	Mpsi	88	16	98	89	95	93	91	85	87	84	89	89	87
		Mike	Reg	4.1	4 • B	4.2	3.9	3.9	4.3	4.8	4.2	4.0	4.2	4.6	4.5	4.7
	cal	Unif.	Pct	45	4 6	45	44	4	44	45	44	43	77	44	45	45
	Digital		In In	1.07	1.04	1.05	1.13	1.02	1.03	1.07	1.07	1.13	1.12	66*0	1.07	1.06
		Stple	32s Conti	35	34	34	35	33	33	34	34	35	34	33	34	34
Area,	ber	П	REA(41	41	41	31	51	41	41	41	41 41	41	41	41	41
Production Area,	Sample Number	No Grade	32s In SOUTH CENTRAL AREA(Continued)	MISSISSIPPI ARCOLA 1 SLM	BELZONI 1 SLM	DUCK HILL 2 SLM	GREENVILLE 1 MID	INDIANOLA 2 LM	INDIANOLA 2 SLM	LYON 1 SLM	NATCHEZ 2 SLM	PANTHER BURN 1 SLM	SCOTT 2 SLM	SUNFLOWER 1 SLM	TRIBBETT 1 SLM	TRIBBETT 1 SLM

Table 3 --Cotton, American upland medium staple: Quality characteristics by production areas, crop of 1976--(Continued)

	Spin.	Poten- tial	SI SI	58	61	61	52	58		47	61		53	52	50	47
	Imprfect'ns	50s or	윘	6	11	19	12	ω		31	12		17	10	21	12
rns	Imprfe	22s or 27 tx	외	11	11	22	13	©		34	14		21	10	56	14
- Carded Yarns	nce	50s or		06	80	10	80	90		09	80		70	80	9	70
	Appearance Index	22s or 5	01	100	110	80	100	110		02	100		100	06	80	100
Test Results	ation	50s or	Pet	4.7	5.5	6.4	4.6	4 . 8		3.8	4.8		4.3	4.7	4.3	4.3
Processing Te	Elongation	r 22s or	티	PERCENT 36 6.3	PERCENT 37 6.8	PERCENT 37 6.7	PERCENT 34 5.9	PERCENT 35 6.6		PERCENT 30 5.7	PERCENT 37 6.4		PERCENT 36 6.0	PERCENT 32 6.4	PERCENT 31 5.8	PERCENT 32 6.1
Proce	Strength	22s or 50s or	1	0 PER 36	80 PER 37	0 PER 37	95 PER 34	80 PER 35		0 PER 30	95 PER 37		O PER	70 PER 32	5 PER 31	0 PER
	Stre	22s o)		100	115	100	9	109		100 96	110		100 6	102	95	101
	2 % C	Waste	Pet	4.9	5.1	6.2	0.9	4.5		10.0	0.9		5.6	4.8	7.2	5.1
	Color Raw Stock	Yel	일	2	2	2	m	6		т	m		m	٣	m	3
	S P		욁	-	0	-	-	1		m	2		-	-	-	1
	S.A.	Non- Lint	Pet	3 3.9	1.8	2.9	2.3	1.9		7.0	2.3		2.4	1.7	2.6	1.9
lts	Elon-	gat'n 1/8"	Pet	ILLE 213	INE 16 7.1	7.6	LTAPINE 16 4 7.0	INE 25 8.4		SP37 6.4	ELTAPINE 16 24 7.5		INE 61 7.1	INE 66 7.4	INE 61 7.8	LTAPINE 16 2 7.6
est Results	Fiber	1/8"	G/tex	STONEVILLE 24 7.	DELTAPINE 23 7.	AUBURN 22	DELTAP 24	DELTAPINE 22 8.		TAMCOT 22	DELTAP 24		DELTAPINE 24 7.	DELTAPINE 66 22 7.4	DELTAPINE 23 7	DELTAP
Fiber Test	Fi	Zero 1/	Mpsi	16	92	86	16	8		80	80		87	82	8	84
1 124		Mike	Rdg	0.4	4.4	3.5	4.1	٠.5		3.3	4.4		5.0	4.6	4.3	4.4
	al	Tapn Unif.	Pct	45	94	45	4	46		75	45		44	43	44	4
	Digital	1	In In	1.08	1.10	1.09	1.07	1.06		1.04	1.14		1.10	1.08	1.12	1.10
		Stple	32s Conti	35	35	35	35	34	AREA	31	35	AREA	35	35	35	34
Trea,	le r		EA(41	31	41	41	31	A	611/31	41	AR	14	31	41	31
Production Area,	Sample Number	No Grade	SOUTH CENTRAL AREA(Continued)	MISSOURI CATRON 1 SLM	HAYTI 1 MID	SENATH 2 SLM	TENNESSEE BRADEN 1 SLM	MCLEMORESVILLE 1 MID 31	SOUTHWEST	CENTRAL TEXAS AQUILLA 2 SGO	NAVASOTA 2 SLM	WEST	ARIZONA BUCKEYE I SLM	ELOY 1 MID	ROLL 1 SLM	MENDEN 31 34 1.10 44

1/ Reduced from 51 because of bark

Table 3 --Cotton, American upland medium staple: Quality characteristics by production areas, crop of 1976--(Continued)

1	1	1								
	Spin. Poten- tial	8	73	7.7	73	8 4	11	79	99	11
	Imprfectins 22s or 50s or	NO	1.7	22	13	20	13	16	19	15
arns	Imprf 22s or 27 tx	원	25	26	13	30	19	21	25	19
arded Y	rance ex 50s or	N N	70	09	80	09	80	80	70	70
lts - C	Appear Inde 22s or	1	06	80	100	70	100	80	80	80
est Resu	Elongation 2s or 50s or 7 tx 12 tx	Pet	8 • 9	5.0	4.7	5.4	6.9	5.0	4.5	4 8
Processing Test Results - Carded Yarns	aa	1	ENT 6.2	ENT 6.5	5.8	ENT 6.8	ENT 6.3	ENT 6.3	5.7	6 • 1
Proce	ngth 50sor	rps	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
	Strength 22s or 50s	lbs	100	134	92	100 128	100 133	85 134	99	135 4
	P & C Waste	Pct	7.6	7.1	5.1	4.9	5.1	5.8	5.7	5.3
	Color Raw Stock Gra Yel	S	m	2	۳	2	5	m	m	m
		위	2	1	0	۳	1	7	2	7
	S.A. Non- Lint	Pct	2.2	2.6	2.2	3.0	2.7	2.2	2.7	2.6
lts	Elòn- gat'n 1/8"	Pct	5.1-2	5.9-2	5.8	5.3-2	SJ-2 6.2	5.6	SJ-2 5.9	53-4
est Results	er gth 1/8" Gage	G/tex	ACALA S	ACALA S	ACALA S	ACALA S	ACALA S	ACALA S	ACALA S	ACALA S
Fiber Test	Fiber Strength Zero 1/ Gage Ga	Mpsi	68	18	63	06	68	16	92	96
	Mike	Rdg	0.4	3.6	4.2	4.0	4.2	4.1	3.8	3.9
	Digital Fibrograph 2.5% Unif. span	Pct	9	45	41	46	46	47	43	45
		ul	36 1.16	1.16	1.13	1.16	1.16	1.14	1.12	1.12
	Stple	32s		36	36	35	36	36	35	36
Area,	lbe r de	tinue	14	¥ 41	31	41	40	41	41	41
Production Area, Classification	Sample Number No Grade Name & Code	36 WEST AREA (Continued)	CALIFORNIA ARVIN I SLM	BUTTONWILLOW 1 SLM	CHOWCHILLA 1 MID	CDALINGA 1 SLM	HURON 1 SLM PLUS	KERMAN 1 SLM	LOST HILLS	TULARE 1 SLM

Table 4 -- Cotton, American upland long staple: Quality characteristics by production areas, crop of 1976

		Spin.	tial	N N			26		99				55
		t'ns	50s or 12 tx	일			80 4		14				16
	arns	Imprfect'ns	22s or 50s or 27 tx 12 tx	δ 			24 8		8				17
	arded Y	ance	50s or 12 tx	No 			100		100				90
	Processing Test Results - Carded Yarns	Appearance Index		No 			110	. 4"	110				100
	st Resu	tion	50s or 22s or 12 tx 27 tx	Pet			6. 4 8. 4		5.2				3.8
	sing Te	Elongation	22s or 27 tx	Pct		ENT	5.1	ENT	5.5	4		ENT	6.5
	Proces	gth	50s or 22s or 12 tx 27 tx	Lbs		95 PERCENT	45		64			100 PERCENT	37
		Strength	Comber 22s or Waste 27 tx	Lbs		6	130	100	116		n-right.	100	113
		P & C and	Comber Waste	Pct			18.3		6.9				6.6
		Color Raw Stock	Yel	No.			m *		w #				e *
		Co. Raw	Gra	No.			-		2				pref
		S.A.		Pct			2.2	e ^m l	4.6	ř			3.3
	Lts	Elon- gat'n	1/8"	Pct		310	5.7	310	4.9			310	5.6
- 1	est Results	Fiber rength	1/8" Gage	G/tex		COKER	56	COKER	52			COKFR	27 5.
	Fiber Test	Fiber Strength	Zero Gage	Mpsi			86		86				91
			Mike	Rdg			6.4	-	4.6				3.7
		al aph	Unif.	Pet			4 6	1	42				44
		Digital Fibrograph	2.5% span	티		•	34 1.10	;	1.14				35 1-11
			Stple	32s	AREA				35		AREA		
0	ation	mber	ode				41	:	4			TIME	41
The direct in	Froduction Area, Classification	& Sample Number	No Grade Name & Code		SOUTHEAST	ALABAMA ALBERTA	E	GEORGIA	1 SLM		SOUTH CENTRAL	MISSISSIPPI	1 SLM

* Comber Waste and Combed Yarn Data